

Supply Chain Cost as of March 31, 2007

Commodity: Ampalaya

Source: Babatngon, Leyte

Destination: Tacloban City

Volume: 15,000 kg

Cost Element	Cost/Kilo	ASSUMPTIONS				Total
		Particulars	Qty	Price	Amount	
Production		Expected Yield @ P15,000 kg				15,000.00
Seeds	1.60	Use of hybrid seeds, 2g/ha @P1,200/100 g	20	1200	24000	24,000.00
Fertilizers	1.52	Organic & Inorganic fertilizers:				
		Chicken dung (bags)	112	90	10080	
		Urea (46-0-0) (bag)	4	890	3560	
		Complete (bags)	8	955	7640	
		Foliar Fert. (liters)	4	380	1520	22,800.00
Pesticides	0.15	Insecticides	2	650	1300	
		Fungicides	2	500	1000	2,300.00
Labor	1.53	Land Preparation:				
		1st plowing (MAD)	12	250	3000	
		2nd plowing (MAD)	8	250	2000	
		Harrowing (MAD)	6	250	1500	
		Furrowing (MAD)	3	250	750	
		Planting/Basal Fertilization (MD)	15	100	1500	
		Watering/Irrigation (MD)	15	100	1500	
		Weeding (MD)	20	100	2000	
		Spraying (MD)	10	100	1000	
		Side Dressing (MD)	10	100	1000	
		Trellis Installation	10	100	1000	
		Vine Training	5	100	500	
		Harvesting/Hauling (MD) (12 printings @ 6MD/harvest)	72	100	7200	22,950.00
Land Rental	0.40	Land Rental is P12,000 ha/year				
		2 croppings/year	2	12000	6000	6000
Material inputs	2.16	Rounds Posts, 900 pcs/ha	900	25	22500	
		Tie Wire, 40 kg	40	60	2400	
		CW Nails, 4 kg	4	50	200	
		Nylon String, 20 kg	20	350	7000	
		PP Twine, 2 rolls	2	185	370	32470
Freight & Handling	0.10	Cost to transport inputs & materials from Tacloban to Farm				1500
Other Inputs		10% of material inputs (includes sacks, baskets, straw, etc.)				
						Subtotal
Cost of Money	0.00	10% of Production Costs				
Depreciation Cost	0.68	Material inputs				
		Round Posts, 900 pcs/ha, Life Span 1.5 years, 3 croppings	22500	3	7500	
		Tie Wire, 40 kg, LS 4 years, 8 croppings	2400	8	300	
		CW Nails, 4 kg, LS 4 years, 8 croppings	200	8	25	
		Nylon String, 20 kg, Life Span 1.5 years, 3 croppings	7000	3	2333.33	10,158.30
Post harvest/Pre Marketing Labor	0.24	Sorting & Weighing	36	100	3600	3600
Total Cost/kg	8.39					
Farmgate Price	30.00	Wholesale at Farm Location at P5/kg				
Margin	21.61					
Distribution						
Transport Cost/Freight & Handling	0.10	Pick-up at Farm Location				1,500.00
Shrinkage	0.80	10% of cost of total volume	1000	12	12000	12,000.00
Storage	0.80	5% of cost of total volume	1000	12	12000	12,000.00
Labor	0.07	Labor (MD)	10	100	1000	1,000.00
Subtotal	1.77					
Total Distribution Cost	31.77					
Wholesale Price	40.00	Wholesale at distribution/bagsakan markets				
Margin	8.23					
Retailing						
Cost of stalls	0.10					1,500.00
Shrinkage	2.40	15% of cost of total volume	3000	12	36000	36,000.00
Storage	2.40	5% of cost of total volume	1000	12	12000	36,000.00
Other Inputs	0.07					1,000.00
Labor	0.07	Labor (MD)	10	100	1000	1,000.00
Subtotal	5.03					
Total Cost to Retail	45.03					
Retail Price	60.00					
Margin	14.97					

Source: DA-RFU 8, Agribusiness & Marketing Assistance Division

Supply Chain Cost as of March 31, 2007

Commodity: Ampalaya

Source: Tanauan, Leyte; Palo, Leyte

Destination: Tanauan, Palo, Leyte & Tacloban City

Volume: 15,000 kg

Cost Element	Cost/Kilo	ASSUMPTIONS				Total
		Particulars	Qty	Price	Amount	
Production		Expected Yield @ P15,000 kg				15,000.00
Seeds	1.60	Use of hybrid seeds, 2g/ha @P1,200/100 g	20	1200	24000	24,000.00
Fertilizers	1.52	Organic & Inorganic fertilizers:				
		Chicken dung (bags)	112	90	10080	
		Urea (46-0-0) (bag)	4	890	3560	
		Complete (bags)	8	955	7640	
		Foliar Fert. (liters)	4	380	1520	22,800.00
Pesticides	0.15	Insecticides	2	650	1300	
		Fungicides	2	500	1000	2,300.00
Labor	1.53	Land Preparation:				
		1st plowing (MAD)	12	250	3000	
		2nd plowing (MAD)	8	250	2000	
		Harrowing (MAD)	6	250	1500	
		Furrowing (MAD)	3	250	750	
		Planting/Basal Fertilization (MD)	15	100	1500	
		Watering/Irrigation (MD)	15	100	1500	
		Weeding (MD)	20	100	2000	
		Spraying (MD)	10	100	1000	
		Side Dressing (MD)	10	100	1000	
		Trellis Installation	10	100	1000	
		Vine Training	5	100	500	
		Harvesting/Hauling (MD) (12 printings @ 6MD/harvest)	72	100	7200	22,950.00
Land Rental	0.40	Land Rental is P12,000 ha/year				
		2 croppings/year	2	12000	6000	6000
Material inputs	2.16	Rounds Posts, 900 pcs/ha	900	25	22500	
		Tie Wire, 40 kg	40	60	2400	
		CW Nails, 4 kg	4	50	200	
		Nylon String, 20 kg	20	350	7000	
		PP Twine, 2 rolls	2	185	370	32470
Freight & Handling	0.10	Cost to transport inputs & materials from Tacloban to Farm				1500
Other Inputs		10% of material inputs (includes sacks, baskets, straw, etc.)				0
					Subtotal	112,020.00
Cost of Money	0.75	10% of Production Costs				11,202.00
Depreciation Cost	0.68	Material inputs				
		Round Posts, 900 pcs/ha, Life Span 1.5 years, 3 croppings	22500	3	7500	
		Tie Wire, 40 kg, LS 4 years, 8 croppings	2400	8	300	
		CW Nails, 4 kg, LS 4 years, 8 croppings	200	8	25	
		Nylon String, 20 kg, Life Span 1.5 years, 3 croppings	7000	3	2333.33	10,158.33
Post harvest/Pre Marketing Labor	0.24	Sorting & Weighing	36	100	3600	3600
Total Cost/kg	9.13					
Farmgate Price	30.00	Wholesale at Farm Location at P5/kg				
Margin	20.87					
Distribution						
Transport Cost/Freight & Handling	0.07	Pick-up at Farm Location				1,000.00
Shrinkage	0.80	10% of cost of total volume	1000	12	12000	12,000.00
Storage	0.80	5% of cost of total volume	1000	12	12000	12,000.00
Labor	0.07	Labor (MD)	10	100	1000	1,000.00
Subtotal	1.73					
Total Distribution Cost	31.73					
Wholesale Price	40.00	Wholesale at distribution/bagsakan markets				
Margin	8.27					
Retailing						
Cost of stalls	0.10					1,500.00
Shrinkage	2.40	15% of cost of total volume	3000	12	36000	36,000.00
Storage	2.40	5% of cost of total volume	1000	12	12000	36,000.00
Other Inputs	0.07					1,000.00
Labor	0.07	Labor (MD)	10	100	1000	1,000.00
Subtotal	5.03					
Total Cost to Retail	45.03					
Retail Price	60.00					
Margin	14.97					

Source: DA-RFU 8, Agribusiness & Marketing Assistance Division